REV 45

DOCUMENT CONTROL SYSTEM - CORRESPONDENCE FILE

WELDON SPRING SITE REMEDIAL ACTION PROJECT
MK-FERGUSON CO., INC. WO 3589 (314) 441-8086
7295 Highway 94 South
St. Charles, MO 63303

Document Number: 82062

▸▸Document Type:

Originators DCN:

▸SUBJECT Southeast Drainage Post Cleanup Evaluation

▸AUTHOR Gene Valett ▸▸TO Pam Thompson ▸▸DATE 2-11-99

▸SUBJECT CODE/WORK PACKAGE NUMBER 1020.3.WR331

REFERENCED DOCUMENT(S)

ACTION ITEM TRACKING

INITIATE ACTION ITEM

INDIVIDUAL ASSIGNED TO ACTION DEPARTMENT

ACTION REQUIRED

DUE DATE / / ACTION ITEM LOG NUMBER

CLOSE ACTION ITEM

ACTION ITEM LOG NUMBER INITIATING DOCUMENT DIN

COMPLETION DATE APPROVAL

COMMENTS

DISTRIBUTION	ATTACH W	ATTACH W/O	APPRVL. ROUTE ORDER	APPRVL. ROUTE INITIAL	DISTRIBUTION	ATTACH W	ATTACH W/O	APPRVL. ROUTE ORDER	APPRVL. ROUTE INITIAL	DISTRIBUTION	W	W/O
D.E. STEFFEN					S.D. ANDERSON					DOE		
K.M. GREENWELL		✓	2.1		G.L. VALETT	✓		GLV	2	E.S. MCCRACKEN		
S.E. WARREN	✓				E. BRANCHFIELD					G.A. NEWTOWN		
J.A. COONEY					M.L. WESELY					P.S. THOMPSON		
J. HEITKAMP					S.L. HODGES					J.E. ENRIGHT		
D.K. MURANO										K.A. REED		
P.D. CATE										T.C. PAULING		
D.E. HOFFMAN										K.V. COUTROS		
C.L. SPRINGMEIER					Lu Kronstedt	✓				A.D. PICKETT		
C.R. BOWERS					A. Sisson		✓			M.S. BALLEW		
G.E. MCKAY										S. RICHARDSON		
D.S. MIXSON					File 1020.3.WR331					Y. DEYO		
M. MITCHELL						X				W.R. OWEN		
~~H.R. LEWIS~~ P. Finch		✓			DOCUMENT CONTROL:					J. MARTIN		
C.R. SAVAGE					CORRESPONDENCE FILE							
D.C. WIGTON					WORK PACKAGE FILE							
~~J.E. WILLIAMS~~ M. Wesely		✓										
					TECH EDITOR with changes			J				
					ORIGINATOR N Keller	X		NS	1			

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

WELDON SPRING SITE REMEDIAL ACTION PROJECT
7295 HIGHWAY 94 SOUTH
ST CHARLES, MISSOURI U S A 63304
PHONE (314) 441-8086

FEBRUARY 11, 1999

U. S. Department of Energy
Weldon Spring Site
Remedial Action Project
ATTN: Ms. Pamela Thompson
Contracting Officer
7295 Highway 94 South
St. Charles, MO 63304

SUBJECT: **CONTRACT NO. DE-AC05-86OR21548**
SOUTHEAST DRAINAGE POST CLEANUP EVALUATION

REFERENCE: Letter from Steve McCracken to Doug Steffen dated October 6, 1998, "Post-Cleanup Evaluation for the Southeast Drainage"

Dear Ms. Thompson:

Remediation in the Southeast Drainage was completed in February 1998 as a result of Work Package 470A activities. The environmental documentation approved for the project (EE/CA; DOE/OR/21548-584) states that cleanup is achieved through risk reduction rather than confirmation. Results of samples taken as required by the post-remediation sampling plan were analyzed by Argonne National Labratory. The results of this assessment indicate that risk reduction was achieved in each segment of the drainage.

However, the DOE has indicated in the referenced letter, that two areas (locations #60 and #101) have been identified by a post-cleanup evaluation for a possible limited removal effort. As a result, Work Record #331 was established to track the costs associated with this post-cleanup evaluation and removal effort.

The PMC has investigated these areas and determined through discussions with the DOE that approximately 10 cubic yards of contaminated soil could be removed from both locations utilizing WP505 labor and on-site equipment for an estimated cost of $27,530 as detailed on the attached estimate.

Per the changes clause, the PMC hereby requests approval from the DOE to complete this post-cleanup removal effort.

Sincerely,

Douglas E. Steffen
Project Director

DES/NLK

Attachment: as stated

cc: Stephen H. McCracken

- 82062

REQUEST FOR ASSISTANCE

WP/TASK: WR-331	DATE: Jan 25, 1999	RFA NO.: 1662-R2
TO: Gary Greenman	FROM: Lee Koehnstedt	
ASSIGNED TO: Gary Greenman		

REQUEST: Please Revise RFA #1662-R1 to include two days of labor for confirmation sampling.

REFERENCES:

RESPONSE REQ'D. BY:

RESPONSE: Please see revised estimate dated Jan. 25, 1999.

REFERENCES:

DATE RETURNED: Jan. 26, 1999	SIGNATURE: Gary R. Greenman
LABOR HOURS REQUIRED:	DISTRIBUTION: Lee Koehnstedt
OTHER DIRECT COSTS:	Gary Greenman RFA File

m:\users\rodamaks\document\forms\rfa

82062

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

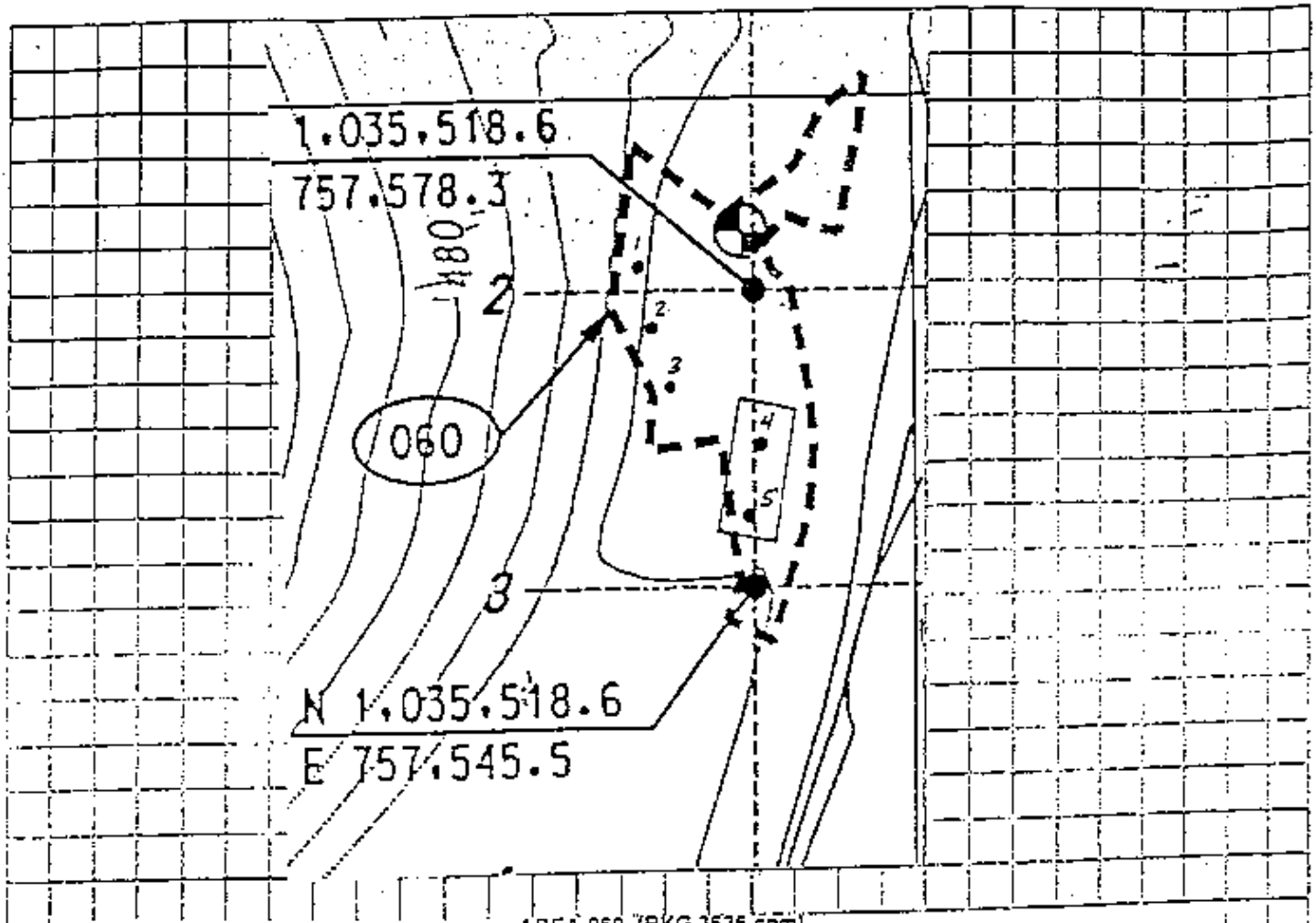
CALCULATION SHEET
ENG-9s.1, REV.0, 9/92

Sheet 1/2

Project SED Post Cleanup
Feature Work Record #331
Item AREA 060

Contract No. 3589
Designed GLV
Checked

File No.
Date
Date 21 DEC 98



AREA 060 (BKG 3636 cpm)

LOCATION	READING	Ra226/228	U238	Th230
1.	7400	5.20/ND	63.52	ND
2.	5900	2.91/1.07	10.56	ND
3.	7000	2.59/3.13	10.20	ND
4.	30,000	3.52/1.05	11.87	73.11
5.	50,000	24.89/2.41	41.37	625.73

Volume Calculation:
15' x 6' x 1' = 90 ft³ = 3.3 yd³

0ft 10 20 40 80ft

82062

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

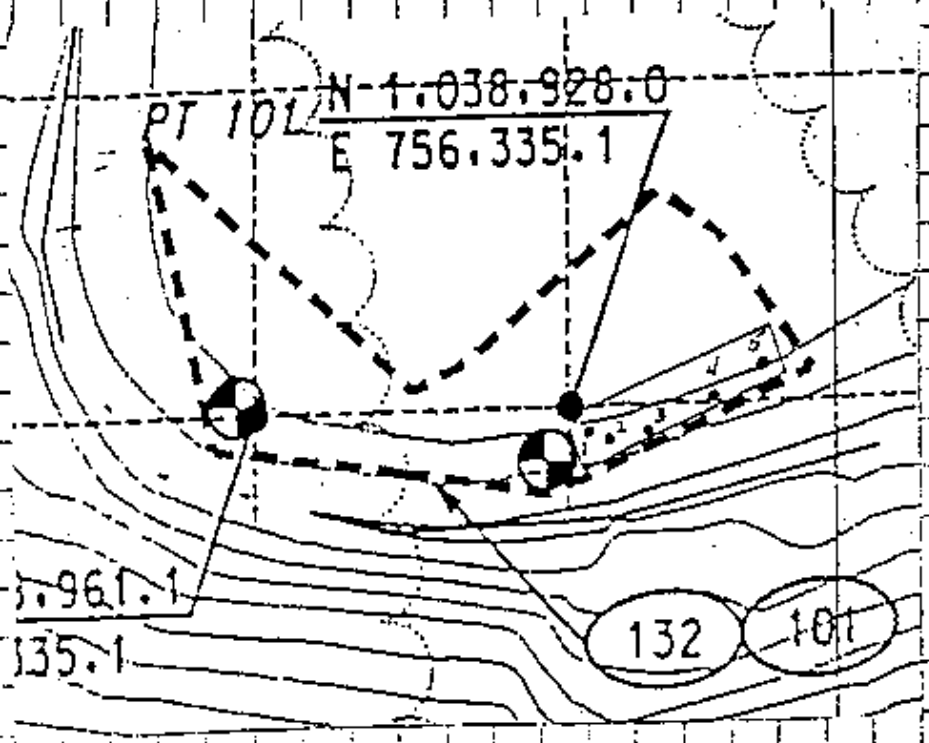
CALCULATION SHEET
ENG-9s.1, REV.0, 9/92

Sheet 2/2

Project SED POST CLEANUP
Feature WORK RECORD #331
Item AREA 101

Contract No. 3589
Designed GLV
Checked

File No.
Date
Date 21DEC98



AREA 101 (BKG 3500 cpm)

LOCATION	READING	Ra226/228	U238	Th230
1.	9000	7.57/0.92	5.01	174.61
2.	22,000	14.94/1.52	20.09	407.13
3.	30,000	51.94/5.32	37.76	2481.14
4.	14,000	19.49/1.67	29.90	263.65
5.	13,000	9.36/1.48	39.88	204.93

VOLUME CALCULATION:
28' x 6' x 0.7' = 117.6 ft³ = 4.4 yd³

03

0ft 10 20 40 80ft

82062

MORRISON KNUDSEN CORPORATION

OPERATION WR-331, SF Drainage Cont. Soil Remediation ITEM NO. SHEET 1 OF 1 PAGE

Pangea Labor / PMC Equipment JOB WSSRAP

QUANTITY UNIT EST. BY GPG CK'D. BY DATE Jan. 25, 1999

	L	E	S	T
WR 331 SF Drainage Cont. Soil Remediation, Pangea Labor / PMC equipment				
Costs taken from REA 1682				
1) Misc supplies / expense	1230		270	1500
2) Surveying	800			800
3) Remove soil from access road	351		18	369
4) Remove trees and pioneer access to 60/101 locations	2044		104	2148
5) Remove cont. soil	5099		264	5363
6) Decon backhoe / truck	640		32	672
7) Foreman / pickup	2898	378	369	3645
8) Confirmation sampling (2 days 3 La 1 op)	3598			3598
Subtotal	16,660	378	1057	18095
Pangea OH Profit @ .323	5381	122	341	5844
	22,041	500	1398	23939
15% contingency	3.306	75	210	3591
	25.347	575	1608	27530